Mountain Weather Forecast

Peak District National Park

Forecast valid from 06:00 on Tuesday 21 Mar 2023 until 23:59 on Wednesday 22 Mar 2023

Forecast Issued on Tuesday 21 Mar 2023 at 03:00

Confidence: High for the unsettled setup, but lower for cloud details and shower distribution.

Headline for Tuesday 21 Mar 2023: Heavy, perhaps thundery, showers developing for a time. Strong summit winds.

Mountain weather hazards on Tuesday 21 Mar 2023

Blizzards No Likelihood	**Heavy persistent snow** No Likelihood	**Storm force winds** No Likelihood
Gales Low Likelihood	**Severe chill effect** Low Likelihood	**Poor visibility** Low Likelihood
Thunderstorms Low Likelihood	**Heavy persistent rain** Low Likelihood	**Strong sunlight** No Likelihood

Weather and chance of precipitation at 600m					
Time					
06:00	09:00	12:00	15:00	18:00	21:00
FOG					
Fog	Heavy rain showers	Heavy rain showers	Heavy rain showers	Cloudy	Heavy Rain
Precipitation probability					
20%	30%	40%	30%	10%	70%

Forecast for Tuesday 21 Mar 2023

Weather: Mostly cloudy at first, perhaps with some early drizzly outbreaks. Cloud starting to break during the morning allowing some brighter spells, but also allowing heavy showers to develop with a risk of thunder. Showers will die away during the afternoon to leave a dry early evening with some brighter spells, but heavy rain arriving during the evening. Wind strengthening during the evening to give summit gales.

Chance of cloud-free hill tops above 600m: 30%, rising 95% in the afternoon, then decreasing to 20% in the evening.

Low cloud and visibility: Extensive cloud, base 400 to 600m, lifting and breaking during the morning to be above the summits for the afternoon. Extensive cloud developing once again in the evening, base 300 to 500m. Visibility moderate or poor in rain or heavy showers, and very poor in low cloud covering the hills, but good at times away from cloud and showers.

Check our weather forecast every day to get the most accurate and up to date information
https://www.metoffice.gov.uk/weather/specialist-forecasts/mountain
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Forecast for Tuesday 21 Mar 2023

Height (m)	Wind Speed mean/gusts (mph) Wind Direction (blowing from)						
	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	24/31 SW	28/35 SW	27/35 SW	26/34 SW	22/29 SW	28/38 SW	33/44 S
300	19/26 S	21/29 SW	21/30 SW	21/31 SW	15/23 SW	21/30 S	25/37 S
Valley	11/25 S	12/27 SW	13/28 SW	16/31 SW	10/23 SW	12/29 S	16/36 S

Height (m)	Temperature / Feels Like (°C)						
	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	6/1	6/0	7/1	7/2	6/1	5/-0	6/-1
300	8/4	8/4	10/6	10/6	9/6	8/4	8/3
Valley	8/6	9/6	10/7	11/8	9/7	8/5	8/5
Freezing Level*	1400m	1500m	1500m	1400m	1400m	1500m	2100m

**Level above which ground is expected to be frozen/snow is expected to settle.*

Meteorologist's View

Gusts of around 40mph on higher summits, perhaps increasing to 50mph late evening, will give difficult walking conditions with a risk of being blown off balance.

Recent rainfall: measured at Cat & Fiddle: altitude 511m

Recorded at	Last 24 hours:	Last 48 hours:	Last 72 hours:
03:00 on Tue 21 Mar 2023	9mm	14.2mm	21.2mm

Forecast for Wednesday 22 Mar 2023

Weather: Heavy overnight rain with a band of squally showers around dawn. Becoming bright during daylight hours with occasional sunny spells and a scattering of showers, these heavy and perhaps thundery. More frequent heavy and thundery showers later in the evening. Windy and cold at height, early summit gales.

Maximum wind: Southwest 30-40mph gusting 50-55mph during the early hours, then easing slightly.

Chance of cloud-free hill tops above 600m: 20% overnight, becoming 100% during daylight hours, then 40% during the evening.

Low cloud and visibility: Extensive cloud, base 300 to 500m overnight, lifting and breaking above the tops during daylight hours. Periods of cloud, base 400 to 600m, developing during the evening. Visibility moderate to very poor overnight, but mostly good or very good during daylight hours. Becoming moderate to very poor again in the evening.

Temperature: **Valleys:** Plus 7 rising to 12 Celsius in the afternoon.
At 600m: Plus 3 to 6 Celsius
Freezing level: Above the summits.

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